



ES WIRKT.

Safety Data Sheet according to Regulation (EC)
No. 1907/2006 (REACH)
revision 08.01.2021 (GB) Version 4.8
Robla Solo Mil-Laufreiniger

! SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Name of product Robla Solo Mil-Laufreiniger

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses

! Remark

UFI: 212D-K1SD-J008-YGGR

Recommended intended purpose(s)

Muzzle cleaner

1.3. Details of the supplier of the safety data sheet

Manufacturer

F.W.Klever
Hauptstraße 20, D-84168 Aham
Phone +49 (0) 8744 96 99 10, Fax + 49 (0) 8744 96 99 96
E-Mail info@ballistol.de
Internet www.ballistol.de

Advice

Qualitätssicherung
Phone +49 (0) 8744 96 99 30
E-mail (competent person):
info@ballistol.de

1.4. Emergency telephone number

Emergency advice

Dr.Zettler (Werktags von 8.00 Uhr bis 16.00 Uhr) oder
Giftnotrufzentrale 022819240
Phone +49 (0) 8744 96 99 30

! SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

! Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]

Hazard classes and Hazard categories	Hazard Statements	Classification procedure
Met. Corr. 1	H290	
Skin Corr. 1B	H314	
Eye Dam. 1	H318	
STOT SE 3	H335	

Hazard statements for physical hazards

H290 May be corrosive to metals.

! Hazard statements for health hazards

H314 Causes severe skin burns and eye damage.

H318 Causes serious eye damage.

H335 May cause respiratory irritation.

2.2. Label elements



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Labelling according to Regulation (EC) No 1272/2008 [CLP/GHS]



GHS05



GHS07

! Signal word

Danger

Hazard statements for physical hazards

H290 May be corrosive to metals.

! Hazard statements for health hazards

H314 Causes severe skin burns and eye damage.

H335 May cause respiratory irritation.

Precautionary Statements

General

P102 Keep out of reach of children.

! Prevention

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P271 Use only outdoors or in a well-ventilated area.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

! Response

P301 + P330 + P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

P303 + P361 + P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

! Storage

P405 Store locked up.

P410 Protect from sunlight.

! Disposal

P501 Dispose of contents / container to recycling

Hazardous ingredients for labeling

Ammoniak

2.3. Other hazards

No information available.

! SECTION 3: Composition/ information on ingredients

3.1. Substances

not applicable

3.2. Mixtures

! Hazardous ingredients

CAS No	EC No	Name	[% weight]	Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]
1336-21-6	215-647-6	Ammoniak 25%	2,5 < 10	Skin Corr. 1B, H314 / Aquatic Acute 1, H400 / Met. Corr. 1, H290 / STOT SE 1, H335



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SECTION 4: First aid measures

4.1. Description of first aid measures

In case of inhalation

Remove the casualty into fresh air and keep him immobile.
If intensive inhalation of fumes seek medical treatment immediately.

In case of skin contact

In case of contact with skin wash off immediately with plenty of water.
Consult a doctor if skin irritation persists.

In case of eye contact

In case of contact with eyes rinse with plenty of water carefully. In the event of persistent symptoms seek medical treatment.

In case of ingestion

If swallowed seek medical advice immediately and show the doctor packing or label.
Rinse out mouth and give plenty of water to drink.

4.2. Most important symptoms and effects, both acute and delayed

No information available.

4.3. Indication of any immediate medical attention and special treatment needed

Treatment (Advice to doctor)

After swallowing: Early endoscopy, to evaluate possibly occurred alternation of the mucous membrane in oesophagus and stomach. If necessary suction of remained substance.

SECTION 5: Firefighting measures

5.1. Extinguishing media

No information available.

5.2. Special hazards arising from the substance or mixture

No information available.

5.3. Advice for firefighters

Additional information

Product is incombustible

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Use personal protective clothing.
Avoid contact with substance

6.2. Environmental precautions

Do not discharge into surface waters/groundwater.

6.3. Methods and material for containment and cleaning up

Dilute with water.
Flush away residues with water.
Take up mechanically and send for disposal.



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6.4. Reference to other sections
No information available.

! SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

No special measures necessary if used correctly.

General protective measures

Avoid contact with eyes and skin

Hygiene measures

Clean skin thoroughly after working.

At work do not eat, drink, smoke or take drugs.

Remove soiled or soaked clothing immediately.

Advice on protection against fire and explosion

The product is not combustible.

No special measures necessary.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep in closed original container.

Advice on storage compatibility

Do not store together with food.

! Further information on storage conditions

Keep container tightly closed, open and handle carefully.

Rechtsgrundlage TRGS 510

! Information on storage stability

Can only be stored at room temperature

Storage group 8B

7.3. Specific end use(s)

No information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.2. Exposure controls

Hand protection

Gloves (alkali-resistant)

The material of the gloves has to be impermeable and consistent for the substance. Observe glove manufacturer's instructions concerning penetrability and breakthrough time.

Eye protection

With demand: protective glasses



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! SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

liquid, emulsion

Colour

orange

Odour

similar to ammonia

Odour threshold

not determined

Important health, safety and environmental information

	Value	Temperature	at	Method	Remark
pH value	ca. 9	20 °C			
Boiling temperature / boiling range	No information available.				
Melting point / Freezing point	No information available.				
Flash point					No flash point Measurement had been done until boiling temperature.
Vapourisation rate	No information available.				
Flammable (solid)	No information available.				
Flammability (gas)	No information available.				
Ignition temperature	No information available.				
Self ignition temperature	No information available.				
Lower explosion limit	No information available.				
Upper explosion limit	No information available.				
Vapour pressure	No information available.				
Relative density	0,954 g/cm ³	20 °C		1013 hPa	



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	Value	Temperature	at	Method	Remark
Bulk density	not applicable				
Vapour density	No information available.				
Solubility in water					multimiscible
Solubility/other	No information available.				
Partition coefficient n-octanol/water (log P O/W)	No information available.				
Decomposition temperature	No information available.				
Viscosity	No information available.				
Viscosity	No information available.				
Solvent separation test	No information available.				
Solvent content	No information available.				
Water content	No information available.				
Solids content	No information available.				
Oxidising properties	No information available.				
Explosive properties	No information available.				
9.2. Other information	No information available.				



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SECTION 10: Stability and reactivity

10.1. Reactivity

No information available.

10.2. Chemical stability

No information available.

10.3. Possibility of hazardous reactions

Acid, concentrated

Oxidising agent, strong

10.4. Conditions to avoid

heating up

No hazardous reactions known.

10.5. Incompatible materials

No information available.

10.6. Hazardous decomposition products

No hazardous decomposition products known.

Additional information

Product is stable under normal storage conditions

! SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity/Irritation/Sensitization

	Value/Validation	Species	Method	Remark
LD50 acute oral	1070 mg/kg	rat		Le résultat s'applique à konz. Solution d'ammoniaque.
LC50 acute inhalation	1,4 mg/l (4 h)	rat		Result applies to conc. Ammonia solution.
Skin irritation	strong irritant	rabbit		Information apply to conc. ammonia
Eye irritation	strong irritant	rabbit eye		Information apply to conc. ammonia
Skin sensitization	non-sensitizing	Guinea pig		Information apply to conc. ammonia

Toxicity test (Additional information)

No experimental indication of genotoxicity in vitro (Ames-test negative).

No experimental indication of genotoxicity in vivo (micronucleus test negative).

Additional information

The product has not been tested. The information is derived from the properties of the individual components.



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! SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicological effects

	Value	Species	Method	Validation
Fish	LC50 0,23 - 0,33 mg/l (96 h)	Oncorhynchus mykiss		Information are based on results of similar products
Daphnia	EC50 53,5 mg/l (48 h)	Daphnia magna		Based on actual testing result data or a comparable product

12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative potential

No information available.

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

No information available.

12.6. Other adverse effects

Behaviour in sewage plant

When low concentrations are discharged correctly into adapted biological sewage treatment plants, interference with the degradation activity of activated sludge is not likely.

The product is an alkaline solution. Neutralization is normally necessary before waste water is discharged into sewage treatment plants.

General regulation

The breakdown properties of the product have not been tested. The information on these is given on the basis of details in the literature.

The behaviour of the product in sewage treatment plants has not been tested. The information on this is given on the basis of details in the literature.

The ecotoxic effect of the product has not been tested. The information on this is given on the basis of details in the literature.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste code No.	Name of waste
06 02 05*	other bases

Wastes marked with an asterisk are considered to be hazardous waste pursuant to Directive 2008/98/EC on hazardous waste.

Recommendations for the product

Neutralize with hydrochloric acid or sulphuric acid.

Dilution with water.

Recommendations for packaging

Uncontaminated packaging may be taken for recycling.

Barrel: return by DSD (Dualistic System Germany)

Recommended cleansing agent

Water



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General information

Waste removal corresponding to official directives

SECTION 14: Transport information

	ADR/RID	IMDG	IATA-DGR
14.1. UN number	-	-	-
14.2. UN proper shipping name	-	-	-
14.3. Transport hazard class(es)	-	-	-
14.4. Packing group	-	-	-
14.5. Environmental hazards	-	-	-

14.6. Special precautions for user

No information available.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

No information available.

Land and inland navigation transport ADR/RID

No dangerous goods as defined by these transport regulations

Marine transport IMDG

No dangerous goods as defined by these transport regulations

Air transport ICAO/IATA-DGR

No dangerous goods as defined by these transport regulations.

! SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

National regulations

Water hazard class 2 AwSV vom 18.04.2017
clearly dangerous for water

15.2. Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

Recommended uses and restrictions

National and local regulations concerning chemicals shall be observed.

The information in this data sheet has been established to our best knowledge and was up-to-date at time of revision. It does not represent a guarantee for the properties of the product described in terms of the legal warranty regulations.

Keep out of the reach of children.



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Further information

The information contained herein is based on the state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product. Indication of changes: "!" = Data changed compared with the previous version.

Indication of changes: "!" = Data changed compared with the previous version. Previous version: 4.7

- H290 May be corrosive to metals.
- H314 Causes severe skin burns and eye damage.
- H335 May cause respiratory irritation.
- H400 Very toxic to aquatic life.